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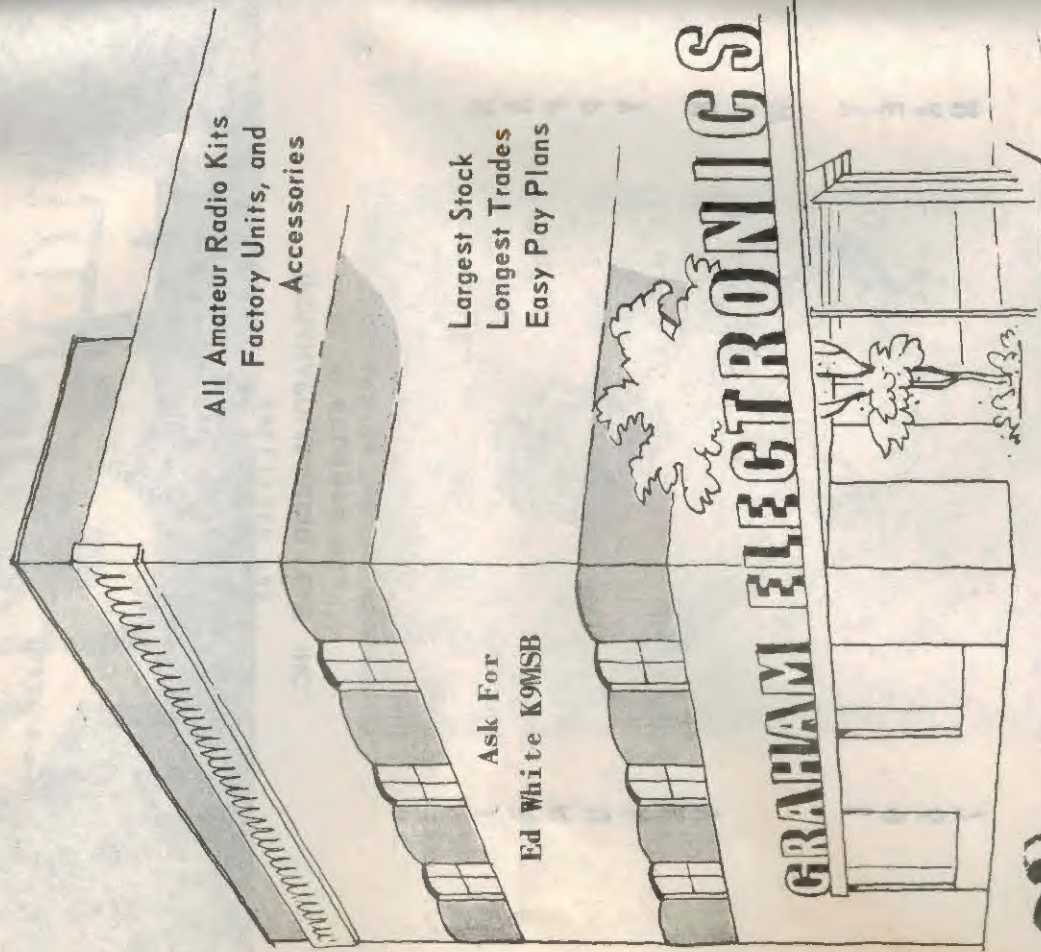
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# HAM HEADQUARTERS



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THE INDIANAPOLIS RADIO CLUB meets on the SECOND and FOURTH FRIDAYS of each month except July and August at Sams Technical Institute, 1720 E. 38th Street. Meetings start at 8 PM

## 1967 OFFICERS

**PRESIDENT:** Ward L. Studer  
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283 7018

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Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50¢ each.

Ama-Chewer welcomes the forwarding of information on the coming events and activities of other clubs for publication. Send direct to Editor.

Exchange program free with other Amateur Radio Clubs. Contents may be copied if proper credit given. A R N S



### Annual Report of the Secretary

As directed by President Jerry Lucas W9APJ, the following report has been prepared.

Thirteen new members were received into the club. Early in the year, the meeting place was shifted to the Sam's Technical Institute Building, 1720 E 38th. Street.

The committee appointed to audit the treasurers book and records as of Dec. 31, 1965 reported that all club monies had been properly accounted for by the 1965 Treasurer.

Club member Bob Caskey W9DNQ, was nominated to the Dayton Amateur Radio Association (Dayton, Ohio), sponsors of the Dayton 'HAMFEST', as the "Amateur of the Year." Bob was also nominated as the "Indiana Outstanding Amateur" to the Indiana Radio Club Council. Bob received both awards.

The Club, through their authorized representative, Wm G. Bradburn K9KCQ, working with the proper officials of the Indiana Sesquicentennial Commission, resulted in appropriate QST cards and Certificates (designed by Alvey F. Bradburn W9JJC) being made available for the states Sesquicentennial year. Mentioning certificates, brings to mind, that after nearly two years of effort, success was finally achieved in 1966 in getting the Certificate Hunters Club - Directory of Certificates and Awards (K6BX) corrected to show the proper name and mailing address of the custodian of the Marion County Century Club (MCCC) certificate. That, in itself, was quite an accomplishment.

Publication of the Club's paper 'Ama-Chewer' was again started during the year. The annual reports to the Secretary of State for the IRC not-for-profit corporation were brought up to date after a lapse of several years. Also, Notice of Change of Principal Office and Resident Agent was filed and recorded with the County Recorder.

A CODE and THEORY class, tailored to help amateurs with General and Conditional tickets, work towards the Amateur Extra Class Ticket, was started during the year.

A variety of programs were presented at club meetings. They continued on next page.

ranged from illustrated travel talks by club members, including a visit to WLAW, technical information on the fuel cell, transistors etc., visits to the Communications Center of the Indianapolis City Police, Federal Aviation Authority, and the like.

The above are some of the major accomplishments of the IRC for 1966 gleaned by the Secretary from the minutes of the club meetings. It is evident that there was more activity than one might think. The IRC is still active and forging ahead.

There is one other item that must not be over-looked. It is with regret that we record that we lost one of the outstanding members, a friend, and founder of the IRC. On October 1, 1966 at the age of 79, Donald J. Angus passed away. The December issue of QST printed an article on his passing and listed his name among the "Silent Keys".

Respectfully submitted,

Ward Studor WA9CCX  
1966 Secretary

\*

### MARION COUNTY CENTURY CLUB

The Marion County Century Club certificates, issued by the Indianapolis Radio Club, has gone International. Even the original intent was to stimulate local contacts and be issued to hams in the Indianapolis area, knowledge of it has become wide spread.

An analysis of the certificates issued during the 3 year period (1964 - 1966 inclusive) reveals that 16 certificates were issued. Seven were in the Indianapolis area, 6 in other states, and 3 to foreign countries. That means the majority were outside the Indianapolis area.

Seven in the Indianapolis area, 6 were for 100 contacts and 1 for 25. Those in other states were all for 25 except 1 in Illinois which had 50. The states in addition to Illinois were Washington, Ohio, Georgia and Maryland. The three to foreign countries were one each to Canada, Italy and Brazil.

Don't forget, there is a Marion County Century Club certificate issued for ALL VHF contacts as well as the one for any band.



# PROGRAM PREVIEW

- Jan 27 - Joe Poston K9GCE more on the Slide Rule in electronic applications
- Feb 24 - Art Schultz W9NNX "Space Communications"
- Apr 28 - Dick Judkins - topic to be determined later
- May 26 - TOUR WFBM (TV) new color studio
- June 24 and 25 FIELD DAY? lets be ready for this
- Watch the Ama-Chewer for further announcements

\*

## POWER FORMULA

Power	db	Current or voltage
1	0	1
2	3	1.4
4	6	2
10	10	3.16
100	20	10
1000	30	31.6
10000	40	100
$db = 10 \cdot \log \frac{P_2}{P_1}$		
$db = 20 \cdot \log \frac{V_2}{V_1} \text{ or } \frac{C_2}{C_1}$		

\*

W9APJ Jerry, would like to buy, beg, or borrow a manual for 32V-1 Collins xmtr. If you have one available please contact him at club meetings or call AX1 0372.

\*

WA9QIF Gary, reports the going rough at Purdue, and sez that calculus and chemistry plus Naval ROTC take up the time that could be spent at W9YB

\*

Ott Walters WB6CBY (ex W9YOT) is now back to work after a remarkable recovery from serious injuries suffered in an auto crash. Ott is active on 40 CW



BOB and MIRIAM ANNIS

On October 28, 1966, Bob Annis (ex 9CUD) and his xYL Miriam gave a very interesting Color slide presentation to the members, wives and friends. The subject "Crusing the Colorado", was a breath-taking adventure of a trip up the Colorado River on a lake created by one of the new dams built recently, along with some old shots of the same area taken in the thirties. During this 'family night affair', we all had the opportunity to meet better-halves of the hams we talk to and about all the rest of the year. You missed an enjoyable evening if you were not present.

\*

The combined meeting of the Board of Directors for 1966 and 1967 years, set the annual dues at \$4.00 for resident members and \$1.50 for non-residents and subscribers to Ama-Chewer. Al Minnick K9SUW, 4945 Primrose Ave, Indianapolis, IN 46205 is Treasurer. President elect, Ward Studor WA9CCX, urged all members to consider the special rates for Subscription/Membership in ARRL, and hopes that all will take advantage of this \$4.50 charge and support the ARRL, the Indianapolis Radio Club and Amateur Radio fraternity as a whole. He would like to



Mr. J. Rigores, Philco Distributors  
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## TVI FILTERS

by Wm. G. Welsh (W6DDB)

As the ex-chairman of a major city's TVI Committee, I can assure you that most complaints of amateur TVI are do to inadequate front ends in the one-eyed monsters. Regulations state that the TV set manufacturers are required to furnish adequate filters (R. L. Drake TV-300-HP, or equivalent) for all sets sold after July of 1958. The TV set manufacturer is responsible to supply the free filter. The TV set owner is responsible for writing the letter to request the filter and for the installation (preferably by a competent TV serviceman) of the filter. The ham operator should do NOTHING but supply the TV set owner with the necessary information and, if applicable, cooperate with the local TVI Committee in conducting TVI checks. The TV set owner can obtain a free filter by supplying the information indicated below to the TV set manufacturer and sending the letter to the appropriate address shown below:

## Data required in TV set owner's letter:

1. Frequency of interfering signal-if known (0-52 MHz)
2. Make and model of TV set
3. Filter request - normally Drake TV-300-HP, or equivalent
4. Approximate date of TV set purchase
5. TV set serial number
6. Type of antenna used - rabbit ears, built-in, roof top, etc
7. Name, address, and phone number of TV set owner
8. Signature of TV set owner requesting the filter

## TV manufacturer's addresses:

Admiral

Mr. Durante  
Admiral Distributors  
497 N. J. Railroad Ave  
Newark, New Jersey

Capehart

Capehart Parts Service Div.  
454 William Street  
East Orange, New Jersey

CBS

Mr. Retano  
CBS Columbia  
46 East 52nd Street  
New York, N. Y.

Dumont

Igoe Brothers  
524 23rd Street  
New York, N. Y.

Emerson

Emerson TV  
14th and Cole Streets  
Jersey City, New Jersey

GE

General Electric  
116 Washington Street  
Bloomfield, New Jersey

Hot Point

Hot Point TV Service Department  
254 Elizabeth Avenue  
Newark, New Jersey

Magnovox

Magnovox Corporation  
Fort Wayne, Indiana

Montgomery Ward

Mr. Plue, Montgomery Ward  
19 Watchung Avenue  
Newark, New Jersey

Philco

J. M. Otter Company  
2030 Upland Way  
Philadelphia, PA 19131

RCA

RCA Service Company  
1573 Irving Street  
Rahway, New Jersey

Sparton

Mr. D. R. Barnett  
Sparton Division of Magnovox Corp  
Fort Wayne, Indiana

Sylvania

Mr. E. Mooser  
Sylvania Electric Products, Inc  
Radio & TV Division  
700 Elliott Street  
Newark, N. J.



IWI Filters continued;-

Westinghouse Mr. Ballantine, Westinghouse Appliance  
Service  
528 Ferry Street  
Newark, New Jersey

Zenith  
Zenith Radio Corporation  
6001 Dickens Avenue  
Chicago, Illinois

OFFICIAL BULLETIN NR 82 FROM ARRL HEADQUARTERS  
NEWINGTON CONN OCT 13 1966 TO ALL RADIO AMATEURS BT

Uruguay and the U.S. have agreed to permit the handling of messages or other communications on behalf of third parties, effective immediately. Messages must not be important enough to be sent by commercial channels and neither operator may have any pecuniary interest in the traffic. The U.S. has previously signed similar agreements with Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Haiti, Honduras, Israel, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru and Venezuela. In addition, two stations in Greenland with XP prefixes and 4U1TU at ITU Headquarters, Geneva, may handle such traffic. Third party countries, by prefix, are CE CM CO CP CX EL EC HH HI HK HP HR OA PY TI VE VO XE XP YN YS YV ZP 4U 4X and 4Z AR \*

OFFICIAL BULLETIN NR 94 FROM ARRL HEADQUARTERS  
NEWINGTON CONN JAN 5 1967 TO ALL RADIO AMATEURS BT

A reciprocal operating agreement is now effective between the Netherlands and the United States. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there. The United States has previously reached reciprocal agreements with Australia, Belgium, Bolivia, Canada, Colombia, Costa Rica, the Dominican Republic, Ecuador, France, Germany, India, Israel, Kuwait, Luxembourg, Nicaragua, Panama, Paraguay, Peru, Portugal, Sierra Leone and the United Kingdom. Many others are being negotiated and successes will be announced as they occur. AR \*

DUES ARE DUE?

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Gonset - Sidewinder 2M SSB new	299.00
Hallcrafters HT-40 Transmitter new	39.00
Hallcrafters HT-41 Linear new	285.00
Hammarlund Super PRO w/AC pkn - good	159.00
Heath TX-1 Apache 80/10 M	119.00
Heath HW-22 SSB 40 M Xcvt	79.00
Johnson Ranger --- excellent	89.00
National NCX-3 XCVR new SSB *	189.00

ARIZONA QNI

WICKENBURG, Ariz., Nov. 26 - Greetings to all you guys in the snow belt.

Have new GE Progress Line - 2 Meter FM equipment now installed in the car. There's considerable activity on 2 FM in Phoenix, and I get down there about once a week or so, so the rig is getting lots of use.

Ran a test recently between here and Phoenix, using a hastily-built 4-element vertical beam here and got pretty good results. Phoenix is only about 50 miles away, but there are some mountains in between that get in the way of the RF. However, with the encouraging results of that test, am now considering building either a permanent beam or a colinear array and installing a 2-Meter 50 watt FM base station here for reliable communications between here and Phoenix. Should also be able to work any mobiles coming through on the way to California. The Twelfth Regional Net meets now on 80 CW and I check in occasionally, but there is much less traffic activity here than I was used to in Indiana.

Being the only ham in this small town, I am able to receive mail addressed only to: "Amateur Station W7DQS, Wickenburg, Ariz." You guys in the big city don't get that kind of service!

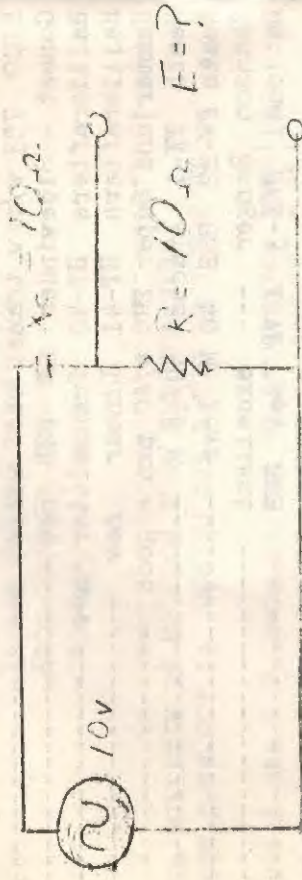
So far have worked W9JJC, W9APJ and W9EJW at Indpls, K9KJD near Indianapolis and W9QLW at New Haven on 20 CW. Also have worked K9IVG, the Indiana SCM at Michigan City, and W9SNC at Portland, on 75 meters CW to SSB! This was quite a surprise and a thrill for me to get into Indiana

continued on page 11.



# NOODLE NUDGER DEPARTMENT

Suppose you hook up your audio generator as shown and supply current to the capacitor with a reactance of 10 ohms and a series resistance of 10 ohms, what will be the voltage across the resistor?



Answer to November Noodle Nudger - 1, 2, 3, 4 and 5 - all OHM's Law.

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Hallicrafters HT-40	39.95
Hallicrafters SR160	280.00
Hallicrafters SX110	119.95
Johnson Ranger	99.00
Heath Marauder	269.00
Hammarlund HQ180C w/noise blanker	299.00
COLLINS 32S1	399.95
COLLINS 75S1	349.95
Heath HW-12 75 meter SSB	99.95
Elmac AF68A w/AC/DC supply	139.95

See Ed White K9MSB

DUES are DUE!

# ARIZONA QNI continued

on 75 meters from out here. I heard Chaiky and Roberta rag chewing about 2 a.m. your time and broke in on CW. It worked (Natchery)

I want all you guys to realize what a good guy Alvey is for the hard work he did last winter in doing the art work and "cover design for my new book "Electronics for Photographers," available NOW for all you book lovers. (I hope he's selling you guys each a copy at every IRC meeting.)

And don't forget, us Arizonites are gonna put a beam on the U.S. Senate next year!

73 from the sunny Southwest,  
---Marsh, W7DQS

Another foreign correspondent we would like to hear about is:

Pvt William T. Akin Jr, US55844799 (K9YDO)  
Company "A", 793rd M P Bn.,  
A P. O., New York 09696

Bill is in or near Furth - 3 miles from Murnberg. Bill would like to hear from his 'old buddies'

Doc Ferguson W9APG, is the proud possessor of a new SWAN 350 - 5 band transceiver and reports that it is working fb.

Alvey Pittman W9JJC, and his xyl spent a vacation in Washington, D.C. and should have some colored slides to show soon.

New calls heard about town - Wn9SVL Jim, Wn9SVM Danny, and Wn9SVN Betty Jo - the Forthoffer family team on S. Addison. How about that, Betty, Lew and Steve?



**WANTED:** Circuit diagram for UWF Gen. SD59409-02  
 Ser # 5224 May be known as TD-2 Microwave Gen.  
 output freq. approx 4000 mc Tubes (1) 396A,  
 (2) 6AU6, (2) 2043, (2) 4168 Erice Benson  
 636 7339

**SALE:** S1117 late model Receiver, all new tubes.  
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 Joe Poston K9GUE  
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